

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-794 REV. G AND EARLIER

REF. TCCA STC: SH05-4

REF. FAA STC: SR02794NY

REF. EASA STC: 10031514

1.0 INTRODUCTION

It has come to DART's attention that, in the event that the D4022-041 Fuel Pump (part of DART's Auxiliary Fuel Tank Kit P/N's: D350-794-011 & D130-794-021 and D350-794-111 & D130-794-121 at CHG 006 and previous) develops a leak, the red blanking plug in the Fuel Pump does not allow for proper fuel drainage.

DART Auxiliary Fuel Tank Kit P/N's: D350-794-111 & D130-794-121 at CHG 007 and subsequent, incorporate the intent of this Service Instruction via an upgraded D4022-041 Fuel Pump.

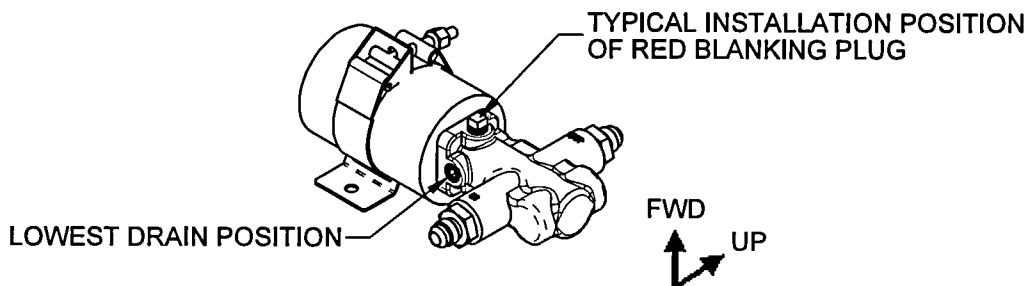


FIGURE 1: D4022-041 Fuel Pump

2.0 PURPOSE

The purpose of this Dart Service Instruction (DSI) is to provide instructions for the removal of the existing red blanking plug from the D4022-041 Fuel Pump and replacement with the D5540-1 Breather Vent.

3.0 INSTRUCTIONS

1. Remove the red blanking plug and set screw installed in the lowest drain position from the D4022-041 Fuel Pump, reference Figure 2. Discard the red blanking plug.
2. Inspect pump per ICA-D350-794.
3. Install removed set screw in place of red blanking plug per Figure 3. Torque to 2.5 in-lbs.
4. Install the D5540-1 Breather Vent in the lowest drain position (in place of removed set screw) per Figure 3. Torque to 2.5 in-lbs.
5. Update the aircraft log book to indicate installation of the DSI 9786-011 kit.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: [Signature]
D. SHEPHERD (DE # 02)

DATE: 17.07.14
CERT. NO.: SH05-4
ISSUE NO.: 3

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A	NEW ISSUE, REF PAR16-548		WK	17.07.14
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CHECKED	VS	DRAWING NO.	REV. A	
MFG. APPR.	N/A	DSI 9786	SHEET 1 OF 2	
APPROVED	HS	TITLE	SCALE	
DE APPR.	DS	FUEL PUMP DRAIN	NTS	
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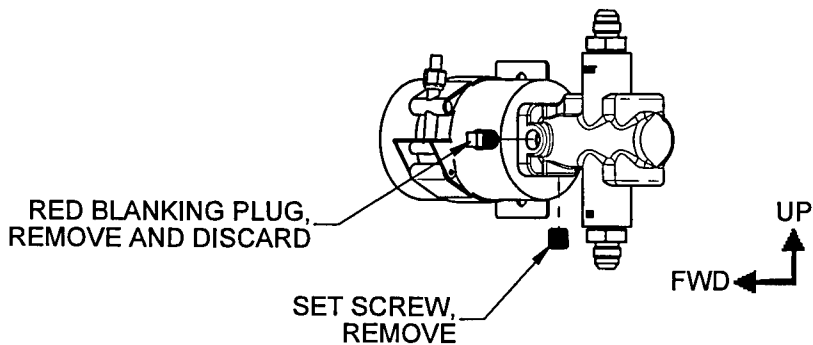


FIGURE 2: RED BLANKING PLUG & SET SCREW REMOVAL

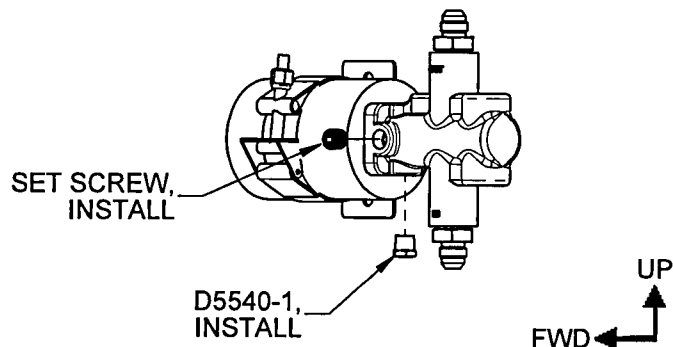


FIGURE 3: D5540-1 BREATHER VENT & SET SCREW INSTALLATION

4.0 WEIGHT AND BALANCE

This DSI has negligible effect on weight and balance.

5.0 PARTS LIST

The DSI 9786-011 Breather Vent Kit can be procured from DART to make this improvement.

Qty -011	Part Number	Description
X	DSI 9786-011	BREATHER VENT KIT
1	D5540-1	BREATHER VENT

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CHECKED	VS	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9786	SHEET 2 OF 2
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